

Standard

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[High speed data transfer](#)[Customer Drawing](#)

Protocol	USB 3.1 (10Gb/s)
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Size	2B
Series	B - Indoor keyed

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# Technical details

## Electrical Configuration

Insert configuration value	2B.542 - USB 3.1 (up to 10Gb/s)
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	0.35 kV DC
Vtest (contact-shell)	0.7 kV DC
Number of differentiated pairs (High speed)	3
Protocol	USB 3.1 (10Gb/s)
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	34.17 g

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## Environment

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Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Salt Spray Corrosion	>1000 hr

## Cable fixation

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Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 6.20 mm

## Recommended By Lemo

### Accessories

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Compatible cap	<a href="#">BFG.2B.100.PCSG</a>
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### Tools

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Spanner	<a href="#">DCP.91.023.TN</a>
Spanner wrench	<a href="#">DCD.2B.ZZZ.PA120</a>

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